

**Notice of Allowability**

Application No.

10/699,813

Examiner

Prabodh M. Dharja

Applicant(s)

JEON ET AL.

Art Unit

2629

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 05-11-2007.
2. ☒ The allowed claim(s) is/are 77-96 renumbered as 1-20.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date 05-11-07
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

Art Unit: 2629

1. **Status:** please all the replies and correspondence should be addressed to examiner's new art unit 2629. Receipt is acknowledged of papers submitted 05-11-2007 under request for continue examination with IDS to be considered, have been placed of record in the file. Claims 77-96 are pending in this office action. Claims 1-76 are cancelled.

***Information Disclosure Statement***

2. The information disclosure statement (IDS) submitted on 05-11-2007 was filed after the mailing date of the notice of allowance on 02-02-2007. The submission is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner. However, The IDS filed on 05-11-2007 has inventor name "MUN, SEUNG HWAN" and assignee is "SAMSUNG ELECTRONIC". The instant application assignee is also "SAMSUNG ELECTRONIC" and one of the inventors is "MOON, SEUNG HWAN"; also after retrieving the English Translation from The Korean Intellectual property Office of the IDS received on 05-11-2007; the name of the inventor is "MOON, SEUNG HWAN". Therefore the IDS and instant application has the common inventor "MOON (MUN), SEUNG HWAN". However, Examiner has considered the IDS and searched as prior art and the cited IDS fails to recite or disclose uniquely distinct features of the allowed claim limitations.

3. Claims 77-96 are allowed.

Art Unit: 2629

4. The following is an examiner's statement of reasons for allowance: Applicant has filed IDS to be considered on 05-11-2007. The cited prior art of IDS fail to recite or disclose the uniquely distinct features of the independent claims limitations below:

**the multiple stages including odd numbered stages for receiving a first clock signal and even numbered stages for receiving a second clock signal having a phase different from the first clock signal, each of the multiple stages comprising: a pull-up section for providing a corresponding one of the first and second clock signals to an output terminal; a pull-up driving section coupled to an input node of the pull-up section, for turning on the pull-up section in response to a front edge of an input signal and turning off the pull-up section in response to a front edge of an output signal of one of next stages; a pull-down section for providing a first power voltage to the output terminal; and a pull-down driving section coupled to an input node of the pull-down section, for turning off the pull-down section in response to the front edge of the input signal and turning on the pull-down section in response to the front edge of the output signal of one of the next stages.**

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Art Unit: 2629

*Conclusion*

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Prabodh M Dharia whose telephone number is 571-272-7668.

The examiner can normally be reached on M-F 8AM to 5PM.

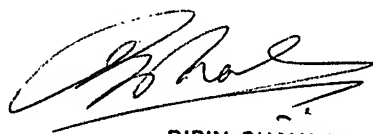
6. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231



BIPIN SHALWALA  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600

Prabodh Dharia

Partial Signatory Authority

AU2629

05-20-2007